

AUG 1 1 2004

P & Docket No.:

YHK-0047

OFFICE OF PETITIONS

PATENT

AUG 0 6 2004

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

re Application of:

Jung Won Kang et al.

Application No.

09/597,553

Group Art Unit: 2673

Confirm. No.:

4966

Examiner: M. Said

Filed:

June 19, 2000

For:

RADIO FREQUENCY PLASMA DISPLAY PANEL AND FABRICATING

METHOD THEREOF AND DRIVING APPARATUS THEREOF

RECEIVED

COMMUNICATION TO EXAMINER

AUG 1 7 2004

ATTENTION: OFFICE OF PETITIONS MAIL STOP PETITION

Technology Center 2600

U.S. Patent and Trademark Office 220 20th Street S Customer Window Crystal Plaza Two, Lobby, Room 1B03 Arlington, VA 22202

Dear Sirs:

Enclosed is a Petition to withdraw holding of abandonment based on failure to receive Office Action and request for re-mail of the Office Action pursuant to MPEP §711.03(c)(II). If this first Petition for Revival is denied, it is requested the enclosed second Petition Under 37 C.F.R. § 1.137(b) be granted.

Please charge any shortage in fees due in connection with the filing of this, concurrent and future replies, including extension of time fees, to Deposit Account 16-0607 and please credit any excess fees to such deposit account.

Respectfully submitted,

FLESHNER & KIM, LLI

Daniel Y.J. Kim, Esquire Registration No. 36,186

P.O. Box 221200 Chantilly, VA 20153-1200 703 766-3701 DYK:knv

Date: August 6, 2004

OIP Docket No.:

AUG 0 6 2004

YHK-0047

<u>PATENT</u>

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

e Application of

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Jung Won Kang et al.

OFFICE OF PETITIONS

Application No. (

09/597,553

Group Art Unit: 2673

Confirm. No.:

4966

Examiner: M. Said

Filed:

June 19, 2000

For:

RADIO FREQUENCY PLASMA DISPLAY PANEL AND FABRICATING

METHOD THEREOF AND DRIVING APPARATUS THEREOF

PETITION TO WITHDRAW HOLDING OF ABANDONMENT BASED ON FAILURE TO RECEIVE OFFICE ACTION AND REQUEST FOR REMAIL OF OFFICE ACTION PURSUANT TO MPEP § 711.03(c)(II)

ATTENTION: OFFICE OF PETITIONS MAIL STOP PETITION

U.S. Patent and Trademark Office 220 20th Street S Customer Window Crystal Plaza Two, Lobby, Room 1B03

Arlington, VA 22202

AUG 1 7 2004

Technology Center 2600

RECEIVED

In accordance with MPEP § 711.03(c)(II), petition is hereby made to the U.S. Patent and Trademark Office (USPTO) to withdraw holding of abandonment of Application Serial No. 09/597,553, filed on June 19, 2000, based on failure of our office to receive an Office Action dated January 15, 2003. Further, it is requested the Office Action dated January 15, 2003, be re-issued.

In support of this petition, the following averments are made:

- 1. I, Daniel Y.J. Kim, attorney of record in this case, did not receive an Office Action dated January 15, 2003. I only became aware of this Office Action based on a recent telephone conference between my secretary and the Examiner.
- 2. Since this application is not linked with the Palm/Pair system, we cannot verify as to whether the Office Action dated January 15, 2003 has ever been issued.

3. I conducted a thorough search of the file jacket and docket records with each search indicating our office did not receive the last issued Office Action. The below comments give in more detail proof the Office Action was not received.

SUPPORT OF NON-RECEIPT OF FINAL OFFICE ACTION DATED JANUARY 15, 2003

A. <u>Brief Summary</u>

The Examiner in charge of this case contacted me after the 6 month non-extendible due date of February 28, 2003, and indicated he did not receive a response to the first Office Action dated August 28, 2002 for this case. I informed the Examiner that we filed a reply on October 30, 2002, a copy of which is enclosed with the first Office Action. Thereafter, we did not receive any further communications from the Patent Office.

In addition, we still have not received a copy of the second Office Action dated January 15, 2003. During a recent status inquiry on this case via telephone conference between the Examiner and my secretary, Deborah Cummings, it was discovered that an Office Action was issued on January 15, 2003 and a Notice of Abandonment was mailed sometime in August 2003. We also have not received the Notice of Abandonment. Accordingly, it is requested the USPTO withdraw holding of abandonment for this application and re-issue the last Office Action (in response to our last filed response on October 30, 2002). The below comments explain our docketing procedures, which further proves we did not receive the Office Action.

B. <u>Docketing</u>

Because of the importance of documents received from the USPTO, the Law Offices of Fleshner & Kim (F&K) is careful with all Patent Office communications. When an Office Action is received from the USPTO, our docketing personnel enter the due date for a response to the Office Action into our automated docketing system (the attached Exhibit 1 is a docket printout for the present application (our reference no. YHK-047) from our automated docketing system). Therefore, upon receiving an Office Action dated January 15,

2003, our docketing system would have been updated to indicate a response to the Office Action would be due April 15, 2003 (i.e., 3 months from the mailing date of the Office Action). For example, a first Office Action for this case was mailed from the USPTO on August 28, 2002. Thus, in this instance, our docketing staff enter a due date of November 28, 2002, which is shown on the second page of Exhibit 1 (identified with a single arrow). As also shown on the second page of Exhibit 1, a response to the first Office Action was filed on October 30, 2002, prior to the due date of November 28, 2002. However, as shown on the second page of Exhibit 1, there is no entry corresponding to the alleged mailing of the second Office Action (i.e., the second page would include a response due date of April 15, 2003). The enclosed Exhibit 1 includes all entries for this application. Had an Office communication been received, it would have appeared on this printout.

Simultaneously with the automated docketing data entry, our docketing personnel manually docket the case by the due date in a red bound calendar. The manual docket entry for April 14-18, 2003, is attached as Exhibit 2. If the final Office Action was received by our firm, the red bound calendar would have been updated to include a response due entry on April 15, 2003 (i.e., 3 months from the mailing date of the Office Action). As shown, however, the red bound calendar does not include an entry for this application for April 15, 2003 (the due date), which further indicates our office did not receive the final Office Action. Had the Office communication been received, it would have been entered in this calendar for this day.

Once the initial docketing tasks are completed, our docketing personnel annotates the front of the file jacket to reflect the substance of the Office communication, the date of the communication, and the due date for a response. A copy of the file jacket for this case is attached as Exhibit 3. Similar to above, had the Office communication been received, it would have been accordingly noted on the file jacket.

The case is then given to an attorney, who has the case entered into a personal docketing system, which reflects the matter number and the due date, among other information. Attached as Exhibit 4 is a copy of the personal docket for Daniel Y.J. Kim for

April 10-19, 2003. Had the communication been received, it would have been entered into this docket for April 15, 2003.

As can be seen in Exhibits 1-4, there are no entries for this Office communication indicating the Office Action dated January 15, 2003, for Application Serial No. 09/597,553 was received by F&K.

CONCLUSION

Based on the foregoing and the attached Exhibits, it is respectfully requested that the Petition to Withdraw Holding of Abandonment Based on Failure to Receive an Office Action and to re-issue the Office Action be granted. However, if this first Petition is DENIED, it is respectfully submitted the enclosed Petition for Revival of a Patent Application Unintentionally Abandoned Under 37 C.F.R. § 1.137(b) be GRANTED. Please charge any shortage of fees due in connection with the filling of this paper, including extension of time fee, to Deposit Account 16-0607 and please credit any excess fees to such deposit account.

I, Daniel Y.J. Kim, have reviewed and understand the contents of this Petition to Withdraw Holding of Abandonment Based on Failure to Receive an Office Action and Request for Re-mail of Office Action Pursuant to MPEP § 711.03(c)(II), and all statements made herein of my own knowledge are true and all statements made on information and belief are believed to be true, and further these statements are made with the knowledge the willful false statements and the like so made are punishable by fine or imprisonment, or

Application No. 09/597,553

both, under § 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Respectfully submitted, FLESHNER & KIM, LLP

Daniel Y.J. Kim, Esquire Registration No. 36,186

P.O. Box 221200 Chantilly, VA 20153-1200 703 766-3701 DYK:knv

Date: August 6, 2004

encls.: Petition for Revival

Copy of First Office Action dated August 28, 2002

Copy of Amendment filed October 30, 2002

Exhibits 1-4

\\fk4\Documents\2017\2017-068\35802.doc

Docket No.:

YHK-0047

PATENT

AUG 0 6 2004

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

é Application of Jung Won Kang et al.

Application No. 09/597,553

Group Art Unit: 2673

Confirm. No.:

4966

Examiner: M. Said

Filed: June 19, 2000

For:

RADIO FREQUENCY PLASMA DISPLAY PANEL AND

FABRICATING METHOD THEREOF AND DRVIIN APPARATUS

THREFOR

PETITION FOR REVIVAL OF A PATENT APPLICATION UNINTENTIONALLY ABANDONED UNDER 37 C.F.R. 1.137(b)

Attention: Office of Petitions
U.S. Patent and Trademark Office
220 20th Street S
Customer Window
Crystal Plaza Two, Lobby, Room 1B03
Arlington, VA 22202

The above-identified application became abandoned for failure to file a timely and proper reply to a notice or action by the Patent and Trademark Office. The date of abandonment is the day after the expiration date of the period set for reply in the Office notice or action plus any extensions of time actually obtained.

APPLICANTS HEREBY PETITION FOR REVIVAL OF THIS APPLICATION

NOTE:

A grantable petition requires the following items:

- (1) Petition fee;
- (2) Reply and/or issue fee;
- (3) Terminal disclaimer with disclaimer fee required for all utility and plant applications filed before June 8, 1995; and
- (4) Statement that the entire delay was unintentional.

unintentional.

1.	Petitio	on fee:
	[]	Small entity - fee \$ (37 C.F.R. 1.17(m)). Applicant claims small entity status.
	[x]	Other than small entity - fee \$1,330.00 (37 C.F.R. 1.17(m)).
2.	Reply	and/or fee
	A.	The reply and/or fee to the above-noted Office Action in the form of communication to the Examiner-(identify type of reply): [] has been filed previously on [x] is enclosed herewith.
	В.	The issue fee of \$
3.	Term	inal disclaimer and disclaimer fee
	[x]	Since this utility/plant application was filed on or after June 8, 1995, no terminal disclaimer is required.
	[]	A terminal disclaimer (and disclaimer fee (37 C.F.R. § 1.20(d)) of \$ for a small entity or \$ for other than a small entity) disclaiming a period equivalent to the period of abandonment is enclosed herewith (See PTO/SB/63).
4.		ment. The entire delay in filing the required reply from the due date for the red reply until the filing of a grantable petition under 37 C.F.R. 1.137(b) was

Application No. 09/597,553

Docket No. YHK-0047

5. Please charge any shortage in fees due in connection with the filing of this, concurrent and future replies, including extension of time fees, to Deposit Account 16-0607 and please credit any excess fees to such deposit account. Please charge ONLY if Petition to Withdraw Holding of Abandonment Based on Failure to Receive Office Action is denied.

Respectfully submitted,
FLESHNER & KIM, LLP

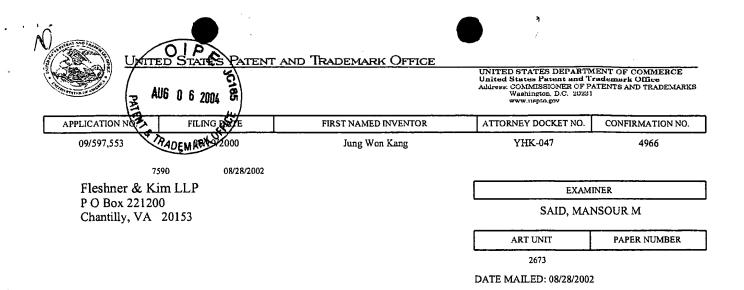
Daniel Y.J. Kim, Esquire
Registration No. 36,186

P.O. Box 221200 Chantilly, VA 20153-1200 703 766-3701 DYK:knv

Date: August 6, 2003

Enclosures:

- [x] Fee payment
- [x] Reply
- [] Terminal Disclaimer Form
- [x] Statement that the entire delay was unintentional

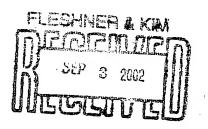


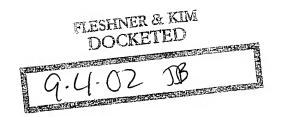
Please find below and/or attached an Office communication concerning this application or proceeding.

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AUG 1 7 2004

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Application No.

09/597,553

Applicant(s)

Jung Won Kang et al.

Examiner

Mansour M. Said

Art Unit **2673**



	The MAILING DATE of this communication appears	on the cover sheet wi	th the correspondence address
A SHO THE N	OF REPLY DRIENED STATUTORY PERIOD FOR REPLY IS SET ALLING DATE OF THIS COMMUNICATION. Cons of time may be available under the provisions of 37 CFR 1.136 (a). In a		
- If the p - If NO p - Failure - Any rep	date of this communication. ariod for reply specified above is less than thirty (30) days, a reply within the ariod for reply is specified above, the maximum statutory period will apply a to reply within the set or extended period for reply will, by statute, cause th bly received by the Office later than three months after the mailing date of the patent term adjustment. See 37 CFR 1.704(b).	nd will expire SIX (6) MONTH a application to become ABA	IS from the mailing date of the communication. VED NDONED (35 U.S.C. § 133) E Communication. VED nely filed, may reduce any
Status	patent tonn adjustation. See S7 G11(1.704(b).		AUG 1 7 2004
_	Responsive to communication(s) filed on <u>Jun 19, 20</u>		Technology Center 2600
2a) ∐	This action is FINAL . 2b) 💢 This acti	on is non-final.	
~ 3) □	Since this application is in condition for allowance e closed in accordance with the practice under Ex par		
Disposit	ion of Claims		
4) 💢	Claim(s) 1-14		is/are pending in the application.
	a) Of the above, claim(s)		
5) 🗀	Claim(s)		is/are allowed.
_	Claim(s) <u>1-3, 7, and 10-13</u>		
7) 💢	Claim(s) <u>4-6, 8, 9, and 14</u>		is/are objected to.
8) 🗆	Claims	are subje	ect to restriction and/or election requirement.
	tion Papers		
9) 🗆	The specification is objected to by the Examiner.		
10)	The drawing(s) filed on is/are	a) 🗌 accepted or	b) \square objected to by the Examiner.
	Applicant may not request that any objection to the d		
11)	The proposed drawing correction filed on	is: a)□	approved b) \square disapproved by the Examiner.
	If approved, corrected drawings are required in reply t	o this Office action.	
12)	The oath or declaration is objected to by the Exami	ner.	
-	under 35 U.S.C. §§ 119 and 120		
	Acknowledgement is made of a claim for foreign pr	iority under 35 U.S.	C. § 119(a)-(d) or (f).
	All b)□ Some* c)□ None of:		
	Certified copies of the priority documents have		
	2. ☐ Certified copies of the priority documents have		
	3. Copies of the certified copies of the priority do application from the International Bures the attached detailed Office action for a list of the	iu (PCT Rule 17.2(a)).
14) 🗆	ee the attached detailed Office action for a list of the		
a) □	Acknowledgement is made of a claim for domestic The translation of the foreign language provisiona		
15)	Acknowledgement is made of a claim for domestic		
Attachmo		priority alter 00 01	5.6. 33 723 d.ld/5. 7271
1) X No	ice of References Cited (PTO-892)	4) Interview Summary (PTO-413) Paper No(s)
	ice of Draftsperson's Patent Drawing Review (PTO-948)	5) Notice of Informal Pa	stent Application (PTO-152)
3) 🔲 Infe	ermation Disclosure Statement(s) (PTO-1449) Paper No(s).	6) Other:	

Notice of References Cited

Application/Control No. 09/597,553

Jung Won Kang et al.

Examiner

Mansour M. Said

Art Unit **2673**

Page 1 of 1

U.S. PATENT DOCUMENTS

		MADEMIN	U.S. PATENT DOCUMENTS		
	Document Number Country Code-Number-Kind Code	Date MM-YYYY ¹	Name	Cla	ssification ²
А	5,967,872	10/1999	Betsui et al.	445	24
В	5,991,416	11/1999	Bae	380	39
С	6,097,357	8/2000	Shinoda et al.	345	63
D	6,104,362	8/2000	Kuriyama et al.	345	63
E	6,271,810 B1	8/2001	Yoo et al.	345	60
F	6,340,866 B1	1/2002	Yoo	315	169.3
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FOREIGN PATENT DOCUMENTS

	Document Number Country Code-Number-Kind Code	Date MM-YYYY ¹	Country	Name	Classification ²
N					
0					
Р					
a					
R					
s					
т			32		

NON-PATENT DOCUMENTS

	Include, as applicable: Author, Title, Date, Publisher, Edition or Volume, Pertinent Pages
U	
v	
w	
x	

^{*} A copy of this reference is not being furnished with this Office action. See MPEP § 707.05(a).

¹ Dates in MM-YYYY format are publication dates.

 $^{^{2}\,\}mbox{Classifications}$ may be U.S. or foreign.



Art Unit: 2673

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Claim Rejections - 35 USC § 103

DETAILED ACTION

- 1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 2. Claims 1-3 are rejected under 35 U.S.C. 103(a) as being unpatentable over Yoo et al. (6,271,810) in view of Yoo (6,340,866).
- 3. As to claim 1, Yoo et al. (figure 2) teaches a radio frequency plasma display panel comprising a plurality of discharge cells including a plurality of first electrode (address electrode, (42)) lines and a plurality of second electrodes (scanning electrode, (44)) being formed in such a manner that they cross each other with having a dielectric layer (48A and 48B) therebetween for causing a discharge, and each discharge cell arrange the first and second electrode lines in parallel to each other within the discharge cell (abstract, column 4, lines 25-67, column 5, lines 1-67, and column 6, lines 25-67).

Yoo et al. does not expressly disclose that an auxiliary electrode.

However, Yoo teaches an auxiliary electrodes (additional electrodes) column 3, line 65 through column 4, lines 7).

Application/Control Number: 09/597,553

Art Unit: 2673

Therefore, it would have been obvious to one ordinary skill in the art at the time the invention was made to incorporate Yoo's device teaching an auxiliary electrodes (additional electrodes) into Yoo et al. device so as to generate continuously a display discharge by the charge particles (column 4, lines 5-7).

Page 3

As to claim 2, Yoo et al. (figure 2) teach wherein the first electrode is an address electrode formed on a substrate, and the second electrode line is a scanning electrode formed on the dielectric layer covering the address electrode (column 4, lines 25-67, and column 5, lines 1-67).

As to claim 3, Yoo et al. teach address electrode to be perpendicular to the address electrode at a position adjacent to an intersection between the address electrode and the scanning electrode, and is arranged at a position parallel to the scanning electrode (column 4, line 25 through column 5, line 20).

Yoo et al. does not expressly disclose that an auxiliary electrode.

However, Yoo teaches an auxiliary electrodes (additional electrodes) column 3, line 65 through column 4, lines 7).

Therefore, it would have been obvious to one ordinary skill in the art at the time the invention was made to incorporate Yoo's device teaching an auxiliary electrodes (additional electrodes) into Yoo et al. device so as to generate continuously a display discharge by the charge particles (column 4, lines 5-7).

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Art Unit: 2673

4. Claim 7 is rejected under 35 U.S.C. 103(a) as being unpatentable over Yoo et al. in

Page 4

view of Yoo.

Yoo et al. (figure 2) teaches 7.a radio frequency plasma display panel, comprising the steps of forming a plurality of first electrode lines on a substrate (abstract, column 4, lines 25-67 and column 5, lines 1-50); entirely coating a first dielectric material to cover electrode and the first electrode lines (figure 2, column 4, lines 25-67 and column 5, lines 1-20); and forming a plurality of second electrode lines perpendicular to the first electrode lines (figure 2, column 4, lines 28-67 and column 5, lines 1-67).

Yoo et al. does not expressly disclose that a first auxiliary electrode.

However, Yoo teaches a first auxiliary electrodes (additional electrodes) column 3, line 65 through column 4, lines 7).

Therefore, it would have been obvious to one ordinary skill in the art at the time the invention was made to incorporate Yoo's device teaching an auxiliary electrodes (additional electrodes) into Yoo et al. device so as to generate continuously a display discharge by the charge particles (column 4, lines 5-7).

5. Claims 10 and 13 are rejected under 35 U.S.C. 103(a) as being unpatentable over

Yoo et al. in view of Yoo.

As to claim 10, Yoo et al. teaches a driving apparatus for a radio frequency plasma display having discharge cells, each of which has scanning electrodes and address electrodes crossing

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Art Unit: 2673

each other with having a dielectric layer therebetween on a first substrate to cause a writing discharge, arranged in a matrix type, and including radio frequency electrodes formed on a second substrate opposed to the first substrate to cause a radio frequency sustaining discharge along with the scanning electrodes, said driving apparatus (figures 2-3, 4A-4D, abstract, column 4, lines 29-67, column 6, lines 1-67 and column 6, line 25-67); the scanning electrode and the address electrode for each discharge cell to position the scanning electrode and the address electrode in parallel to each other within the discharge cell (figures 2-3, abstract, column 4, lines 29-67, column 5, lines 1-67); a radio frequency signal driver for applying a radio frequency signal having a higher frequency than a commercial alternating current voltage to the radio frequency electrode (column 4, lines 25-67, column 5, lines 1-20 and column 6, lines 55-67); and a pulse signal driver (data/scanning signal generator, (figures 10-11, (86)) for applying a scanning pulse and a data pulse having a frequency of the commercial alternating current voltage to the scanning electrode and the address electrode, respectively (column 8, lines 62 through column 9, lines 35).

Yoo et al. does not expressly disclose that an auxiliary electrode.

However, Yoo teaches an auxiliary electrodes (additional electrodes) column 3, line 65 through column 4, lines 7).

Therefore, it would have been obvious to one ordinary skill in the art at the time the invention was made to incorporate Yoo's device teaching an auxiliary electrodes (additional electrodes) into Yoo et al. device so as to generate continuously a display discharge by the charge particles (column 4, lines 5-7).

Application/Control Number: 09/597,553 Page 6

Art Unit: 2673

As to claim 13, Yoo et al. teach address electrode to be perpendicular to the address electrode at a position adjacent to an intersection between the address electrode and the scanning electrode, and is arranged at a position parallel to the scanning electrode (column 4, line 25 through column 5, line 20).

6. Claims 11-12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Yoo et al. in view of Yoo as applied to claim 10 above, and further in view of Bae (5,991,416).

As to claim 11, Yoo et al. and Yoo teach all claimed limitation except that a high pass filter.

However, Bae (figures 1 and 3) teaches a high pass filter (13) (column 5, lines 5-67)...

Therefore, it would have been obvious to one ordinary skill in the art at the time the invention was made to combine Bae's device having a high pass filter into Yoo et al's device so as to increase the versatility of the device.

As to claim 12, Yoo et al. and Yoo teach all claimed limitation except that a first low pass filter a second low pass filter.

However, Bae (figures 1 and 3) teaches a first low pass filter a second low pass filter (10-12, and 14-16) (column 5, lines 5-67).

Therefore, it would have been obvious to one ordinary skill in the art at the time the invention was made to combine Bae's device having a high pass filter into Yoo et al's device so as to increase the versatility of the device.

Application/Control Number: 09/597,553 Page 7

Art Unit: 2673

Allowable Subject Matter

7. Claims 4-6, 8-9 and 14 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

8. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Betsui et al (5,967,872) disclose a plasma display has a matrix of plural first straight electrodes and plural straight second electrodes.

Shinoda et al. (6,097,357) disclose a full color surface discharge type plasma display device.

Kuriyama et al. (6,104,362) disclose a panel display has a display panel including a plurality of cells to be selectively discharged to an address driver for setting the plurality of cells to states represented by display data.

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mansour M. Said whose telephone number is (703) 306-5411.

The examiner can normally be reached on Monday through Thursday from 8:30 a.m. to 6:00 p.m. The examiner can also be reached on alternate Friday from 8:30 a.m. to 5:00 p.m. EST.

Art Unit: 2673

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Shalwala Bipin, can be reached at (703) 305-4938.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, D.C. 20231

or faxed to:

(703) 872-9314 (for Technology Center 2600 only)

Hand-delivered responses should be brought to Crystal Park Π, 2121 Crystal Drive, Arlington, VA, Sixth Floor (Receptionist)

10. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology Center 2600 Customer service Office whose telephone number is (703) 306-0377.

Patent Examiner

August 23, 2002

Mansour M. Said

VLIAY SHANKAR PRIMARY EXAMINER

The Patent Office acknowledges the attached patent application and has stamped le date of receipt hereon of the items

listed below:

Docket No: YHK-047

Application No. 09/597,553

Tide RADIO FREQUENCY PLASMA DISPLAY PANEL AND FABRICATING METHOD THEREOF AND DRIVING APPARATUS THEREFOR

Inventor(s): Jung Won KANG and Woo Gon JEON Old Due Date: 11/28/02) Charge To Deposit Account 16-0607 Reply Amendment Transmittal New Due Date: _ 2004 Technology Center 2600 Date Filed: October 30, 2002 TOTAL FEE: \$534.00 \$534.00 FEE(S) Initials (Nos. 8973, 8127, &8147) CHECK NO. DYK/RAV:tmd

YHK -047

IN

TES PATENT AND TRADEMARK OFFICE

In re Application of

Jung Won KANG and Woo Gon JEON

Serial No.

09/597,553

Group Art Unit: 2673

Confirm. No.: 4966

Examiner: Mansour M. SAID

Filed:

June 19, 2000

For:

RADIO FREQUENCY PLASMA DISPLAY PANEL AND FABRICATING METHOD THEREOF AND

DRIVING APPARATUS THEREFOR

ASSISTANT COMMISSIONER FOR PATENTS Washington, D. C. 20231

Dear Sir:

RECEIVED

PATENT

AUG 1 7 2004

No additional fee is required.

Also attached:

Technology Center 2600

The fee has been calculated as shown below:

	NO. OF CLAIMS			RATE	FEE	
Total Claims	31 20 11 x \$18 =		\$198.00			
Independent Claims	7	3	4	x \$84 =	\$336.00	
		If multiple claims newly presented, add \$280.00				
		Fee for extension of	time			
	TOTAL FEE DUE					

- Please charge my Deposit Account No. 16-0607 in the amount of \$. An additional copy of this transmittal sheet is []submitted herewith.
- A check in the amount of \$534.00 (Check Nos. 8073, 8127, & 8147) is attached.

Transmitted herewith is an Amendment and/or Reply in the above identified application.

The Commissioner is hereby authorized to charge payment of any fees associated with this communication or credit any overpayment, to Deposit Account No. 16-0607, including any filing fees under 37 C.F.R. 1.16 for presentation of extra claims and any patent application processing fees under 37 C.F.R. 1.17.

> Respectfully submitted, FLESHNER & KIM, LLI

Saniel Y. J. Kim

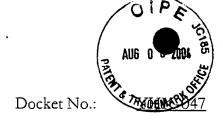
Registration No. 36,186

René A. Vazquez

Registration No. 38,647

P.O. Box 221200 Chantilly, VA 20153-1200 (703) 502-9440 DYK/RAV:tmd Date: October 30, 2002





IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Jung Won KANG and Woo Gon JEON

Serial No. 09/597,553

Group Art Unit: 2673

Confirm. No.: 4966

Examiner: Mansour M. SAID

Filed:

June 19, 2000

For:

RADIO FREQUENCY PLASMA DISPLAY PANEL AND FABRICATING METHOD THEREOF AND DRIVING APPARATUS THEREFOR

REPLY AND/OR AMENDMENT UNDER 37 C.F.R. §§1.111 AND/OR 1.121 RECEIVED

AUG 1 7 2004

Assistant Commissioner for Patents Washington, D. C. 20231

Technology Center 2600

Sir:

In reply to the Office Action dated August 28, 2002, please amend the above-identified application as follows:

IN THE CLAIMS:

A. Please add new claim 15-31 as follows:

15. (New) A radio frequency plasma display panel, comprising:

a plurality of discharge cells, each including a first electrode and a second electrode, being formed on a substrate in such a manner that they cross each other with having a dielectric layer therebetween, for causing an address discharge, and a radio frequency electrode, arranged in

parallel to the second electrode, formed on another substrate opposite to the substrate, for causing a radio frequency discharge; and

an auxiliary electrode electrically connected to the first electrode formed on the substrate, and formed in parallel to and on substantially the same plane as the second electrode via the dielectric layer.

- 16. (New) The radio frequency plasma display panel as claimed in claim 1, wherein the second electrode constitutes a second auxiliary electrode in such a manner that it is protruded toward the auxiliary electrode.
- 17. (New) A method of fabricating a radio frequency plasma display panel, comprising the steps of:

forming a plurality of first electrode lines on a substrate;

forming a first auxiliary electrode protruded from the first electrode line spaced with having a desired distance therebetween;

entirely coating a first dielectric material to cover the first auxiliary electrode and the first electrode lines;

forming a plurality of second electrode lines perpendicular to the first electrode lines; forming a second auxiliary electrode protruded toward the first auxiliary electrode from the second electrode line;

entirely coating a second dielectric material on the first dielectric material to cover the second electrode line and the second auxiliary electrode;

forming a protective film on the second dielectric material; forming a barrier rib on the protective film; and coating a fluorescent material on the barrier rib.

- 18. (New) A discharge cell, comprising:
- a first electrode;
- a second electrode that crosses the first electrode;
- a dielectric layer positioned between the first and second electrodes; and at least one auxiliary electrode coupled to one of the first and second electrodes.
- 19. (New) The discharge cell of claim 18, wherein the first electrode comprises an address electrode and the second electrode comprises a scanning electrode.
- 20. (New) The discharge cell of claim 18, wherein the at least one auxiliary electrode comprises a first auxiliary electrode connected to the first electrode.
- 21. (New) The discharge cell of claim 20, wherein the at least one auxiliary electrode further comprises a second auxiliary electrode connected to the second electrode.

- 22. (New) The discharge cell of claim 18, wherein the at least one auxiliary electrode is electrically connected to the one of the first and second electrodes.
- 23. (New) The discharge cell of claim 18, further comprising a radio frequency electrode positioned and configured to cooperate with one of the first and second electrodes to cause a radio frequency discharge.
- 24. (New) A radio frequency plasma display panel comprising the discharge cell of claim 15.
 - 25. (New) A plasma display panel, comprising:
 - a first substrate;
 - a second substrate;
 - a plurality of discharge cells formed between the first and second substrate;
 - a plurality of first electrodes formed on the second substrate in a first direction;
- a plurality of second electrodes formed in a second direction so as to cross the plurality of first electrodes; and
- a plurality of third electrodes associated with each of the first electrodes, wherein each of the plurality of third electrodes have a predetermined width and a predetermined length that runs in a direction substantially parallel to the second direction.

Serial No. 09/597,553

Docket No. YHK-047

26. (New) The plasma display panel of claim 25, wherein the plurality of third electrodes are electrically coupled to the plurality of first electrodes.

- 27. (New) The plasma display panel of claim 26, wherein the plurality of third electrodes are electrically connected to the plurality of first electrodes.
- 28. (New) The plasma display of claim 25, further comprising a plurality of fourth electrodes associated with each of the second electrodes, wherein each of the plurality of fourth electrodes have a predetermined width and a predetermined length that runs in a direction substantially parallel to the first direction.
- 29. (New) The plasma display panel of claim 28, wherein the plurality of fourth electrodes are electrically coupled to the plurality of second electrodes.
- 30. (New) The plasma display panel of claim 29, wherein the plurality of fourth electrodes are electrically connected to the plurality of second electrodes.
- 31. (New) The plasma display panel of claim 25, further comprising a plurality of radio frequency electrodes positioned and configured to cooperate with the plurality of first electrodes or the plurality of second electrodes to cause a radio frequency discharge.

<u>REMARKS</u>

Claims 1-31 are pending in this application. By this Amendment, new claims 15-31 are added. Reconsideration in view of the above amendments and the following remarks is respectfully requested.

The Patent Office rejects claims 1-3, 7, 10 and 13 under 35 U.S.C. §103(a) as unpatentable over U.S. Patent No. 6,271,810 to Yoo et al. ("Yoo '810") in view of U.S. Patent No. 6,340,866 to Yoo ("Yoo '866").

Applicant respectfully submits that the present application, Yoo '810 and Yoo '866 were, at the time the invention was made, owned by, or subject to an obligation of assignment to the same entity, LG Electronics Inc. Further, the present application was filed on June 19, 2000.

Accordingly, because Yoo '810 and Yoo '866 qualify as prior art only under 35 U.S.C. §102(e), and because their subject matter and the claimed invention were, at the time the invention was made, owned by the same entity or subject to an obligation of assignment to the same entity, Applicants respectfully submit that 35 U.S.C. §103(c) precludes the use of Yoo '810 and Yoo '866 as prior art. Thus, withdrawal of the rejection of claims 1-3, 7, 10 and 13 under 35 U.S.C. §103(a) is respectfully requested.

The Patent Office rejects claims 11 and 12 under 35 U.S.C. §103(a) as unpatentable over Yoo '810 in view of Yoo '866, and further in view of U.S. Patent No. 5,991,416 to Bae. As discussed above, Yoo '810 and Yoo '866 can not be used as prior art for a rejection under 35

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Docket No. YHK-047

U.S.C. §103. Accordingly, withdrawal of the rejection of claims 11 and 12 under 35 U.S.C.

§103(a) is respectfully requested.

Applicants respectfully submit that added claims 15-31 are allowable.

CONCLUSION .

In view of the foregoing amendments and remarks, it is respectfully submitted that this

application is in condition for allowance. Favorable consideration and prompt allowance of

claims 1-31 are earnestly solicited.

To the extent necessary, a petition for an extension of time under 37 C.F.R. 1.136 is

hereby made. Please charge any shortage in fees due in connection with the filing of this,

concurrent and future replies, including extension of time fees, to Deposit Account 16-0607 and

please credit any excess fees to such deposit account.

Respectfully submitted,

FLESHNER) & KIM, LLP

Daniel Y. J. Kim Registration No. 36,186

René A. Vazquez

Registration No. 38,647

P.O. Box 221200

Chantilly, VA 20153-1200

703 502-9440 DYK/RAV:md

Date: October 30, 2002

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Country Application

Monday, August 02, 2004

Case Number: YHK-0047

Country: US

SubCase:

Client: Y.H. Kim International Patent & Law Office United States of America

Case Type: ORD

Application Status: Pending

Application Number: 09/597,553

Filing Date: 19-Jun-2000

Publication Number:

Publication Date:

Patent Number:

Issue Date:

Parent/PCT Number: 22981/1999

Parent/PCT Date: 18-Jun-1999

Parent Issue Number:

Parent Issue Date:

Expiration Date:

Owner Reference No.: LGE/CIT

PTA: 0

Tax Schedule: LE

Confirmation #:

Remarks: also claimed priority on 8/11/99 32892/1999

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Country Application

Monday, August 02, 2004

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3	:15	15 Heat to client 4/10/03	:15: 200 4/11/03
=	:30 :45	:30	:30
	3	3	3 C/T/K-18AM DOLO PAIL
-	:15	:15	:15 4/2 short to prop & b bady
	:30	:30 :45	30 FI WINNINGS
	4	4	45 Etterded 1
	:15	:15	:15 Diled of Inta 3
_	:30 :45	:30	:30
	5	5	5 AMED DA CLORON (N) TO
	:15	:15	15 allowed (X) TE
	:30 :45	:30	:30
	6	<u>6</u>	SUNDAY APRIL 13 103/262
	15	15	Palm Sunday PALMS NOA WILL AND
12.0	30 45	130 Exh. 57 9	4/9 Oret to prep byile rester
1 2	7	145 7 CIN 09/597,533	16-21 DON Dur TOSTA
	15	:15	Y/14 And to the Alpo amend.
-	30 45	:30	Siled 4/19/83
	3	:45 8	UMS /V // IF D. DANK
	15	:15	MEB-16 /FDUR CRWITKIN
E AS	45	:30	K-203 IF ID DUE AHN
		:45	3/7/03 Prot to pay of TATAOLANCE !

from APRIL 14

March 2003 <u>S M I W I F S</u> 2 3 4 5 6 7 8 9 10 11 12 13 14 15 10 17 18 19 20 21 22 23 23 23 25 26 27 28 29 April 2003 \$ M I W I F S 0 7 8 9 10 11 12 13 4 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30

W	ĒΕ	ΞK	1	6

MONDAY APRIL 14 4104/261	TUESDAY, APRIL 1/5. 105/2200	wednesday, April 1/6, 108/259
7 DUW-0002 IF DU JCE	7 /K-17 OF DUE CLA/JKM	7 Passover begins at sundown
15 Paid 3/29/03	115 attended	:15 P-48 ON DUE
:30	30 Reminder Dent 4/8/03	:30 7/3 Dood to fit uply know !
:45	:45	
8 K-223 /FDIEL CAS/JKM	8 CYSTP-122A CODEY CLD	0 N-103 WWW 1801 18
30 Paid 4/2 (A3	:163/7/03 and to drup propone	30 Estanded
.45 (Faca 4/2/8)	:304/11 Ont lotil prop hady	
9 LAMEK-9 1F DILO RAV	9 JPS-2 MOD TOE	9 MRE-28 NOD DU JCE
:15 Paid - 1/14/03	:15 Estended	:153/3 And to ula propamendo 6
:30	:30	:153/3 And to ule propamend.
:45	:45	:45
10P-157 IF Due AHIN	10 K 404 DD8 QUE CRW	10 K-17 A NOH Que ANN
:15 4/10 Port to pay IF	:15 Dile a 2/08/03	154/10 Snot to file reply based
:30 Teles 4/11/03	:30	30 on comments
:45	145 Property 14 141	11 K-137 BDUD SWN
11 K-72 NOA DUY DHB	11 K-14 appeal Bug SWN	11 K-127 OF HUI SWN
:15 4/8 Drof to jile grap comead	:15 (X) 0 :30 7/15 pro vo ile realen basea	
:30 200 A 4/14/03 :45		:45
12 7-326 OF DU JCE JKM	12 Cattended	12 K-128 OA DUE SUN/JIC
:15 3/26 and Va Deeple till	:15	:154/10 and to jile prop. responde
:30 Good on Comments	:30	:30 Dilea 4/16/03
:45 Filed 3/28/03	:45	:45
1 SUS/K-76A /FFD PEDULUL	1	1 5-179100 Due CIDITHB
:15 Paid 4/1/03	:15	:15 4/11 sone to conselect soleward
:30	:30	:30 Extended
:45	:45	1:45 TOPE WARD (N) TOPE (N)
2 TORE-9 IF PF DUR JOECH		2 MRE-15 NOA (X) JCERUS
:15 2/25 Onot do pag /F	:15	:15 3/21 Inst to file RCE :30 RCE 3/3/33
1 :30 Paid 3/87/83 :45	:45	:45
3 1K-22 NOA DUE JOERHE	3	3
:15 4/14 Strat to jely reply & 208.	:15	:15
:30 Extended	:30	:30
:45	:45	:45
4 K-84 IF PF, FD Due AHN	4	4
:15 4/3 Lengt up pay F April FD	:15	:15
30 Filed 4(11/23	:30	1:30
:45	:45	:45
50/-9 NOA(2X) 04/3	5 :15	:15
1 :15 Cara jeles 2/4/03	:30	:30
:45	:45	:45
6 2/ 133 DOB PULL CON SA	6	0
15 200 3/2/03	:15	:15
:30	:30	1:30
:45	:45	:45
7 .	7	1.7
:15	:15	:15
:30	:30	:30
- :45 - •	:45 8	8
8 :15	:15	:15
30	:30	:30
45	:45	:45
	<u> </u>	·

to APRIL 20

	25 26 27 28 29 30 31 29 30		to APRIL 20
	THURSDAY, APRIL 17 107/258	FRIDAY, APRIL 18 108/257	SATURDAY, APRIL 19 109/256
	7 Passover	7 Good Friday	1 K-225- Apped Bill LLL
3 —	15 K-130 IF DUR AHN	15 VHK-68 NOA(1X) DAS	:15 4/2/ Prot to jily appellibile
	:30 Se aid 4/16/03	:30 Can IR july 1/31/03	:30 dileas-1/2//13
3 —	:45	:45 Callowed	:45
	8 Prazz /FAFFI Du RAV	8 K-504 Bay Dato JCS	8 K-H309(21) CLD/RHC
3 —	:153 19 Day 1F4 file	:15 2tled 2/25/03	15 4/2 and to conduct internio
	:30 Card 3/37/33 FA	:30	:30 4/16 boxest to soon hill wall
3	45 A A A	:45	: 45 les Land on comments 4/2010
	9 K-5/5 Bon Cot 18	9 CITIK-121 OP(N)	9 P-70 Op (IX) CRW
% —	-:15 - Teled 41843	:15 3/18 Reminder Dent	:15 3/7, snot to Supreparap.
	:45	:30 file Generales sont	30 4/17 and by lopping uply
	10 H1-75 J.DS DUD CRW		145 The broad on comments & cont. int.
	:15 Files -1/17/05	TO THE TOTAL OF THE PARTY OF TH	
₩ ,	:30	1:15 EXHANGITY TO (DE) 11C 1:30	TISTICE WE ALSO RUNCIE
**	:45	:45	:30 Seled 4/18/03
粤 —	- 11	11 P-19 NOA (2X) NN	11 P- 20 PAB DULL CRA
	:15	:15 CA FR 1 Ind 4/12/23	:15 3:000 7/1/03
	:30	:30	:30
3	:45	:45	:45
DE .	12	12 K-208 NOA (2X) JCE/RNC	
	:15	:15 aar R sile of 2/19/03	:15 Fled -1/18/03
	:30	30 4/7 Donat to the RCE I condin	230
3 —	:45	:45 inlesvices	:45
	1	1 Dilea RO	1
	:15	:15	:15
_	:30	:30	:30
9 —	:45 2	:45	:45
	:15	2 K-168 adv. Oct. Jaker	2
9 —	:30	:15 pert & claim 4/03	:15
	:45	:45	:30 :45
	3	3	3
3	:15	:15	:15
40	:30	:30	:30
9_	:45	:45	:45
30	4	4	4
9	:15	:15	:15
	:30	:30	:30
3	:45	:45	:45
	5	5	5
	:15		:15
	:30	:30	:30
9	:45 6	:45	SUNDAY, APRIL 20 110/255
4	1.5	6	Easter
9 _	:30	:15	
3	:45	:30 :45	
	7	7	
9	.15	:15	
		:30	
9	.AE	:45	
7	8	8	
2	:15	:15	
8	:30	:30	
3	:45	:45	✓ ATA-QLANCE Ø
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